



**Gramin Krishi Mausam Sewa**  
**India Meteorological Department**  
**Orissa University of Agriculture and Technology**  
**RRTTS, Chiplima, Sambalpur**



No.37 (English Bulletin)

Week no-19

Date: 07.05.2024

**West Central Table Land Zone**

**District-Bargarh**  
Weather forecast for next 5 days

Date	08-05-2024	09-05-2024	10-05-2024	11-05-2024	12-05-2024
Rainfall (mm)	10	12	15	5	5
Max Temperature (° C)	33	33	34	35	36
Min Temperature (° C)	25	24	24	25	26
Total cloud cover (okta)	7	6	5	5	5
Max Relative Humidity (%)	57	62	67	64	51
Min Relative Humidity (%)	17	17	21	21	21
Wind speed (km/h)	16	14	15	16	12
Wind direction (deg)	225	236	202	161	242

For further information, contact the IMD, Bhubaneswar, Tel. # 0674-2596116

**Weather Summary/Alert:**

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of light to moderate rainfall in upcoming week and partly to generally cloudy sky is expected during that period. The maximum and minimum temperature is likely to be ranges between 33-36°C and 24-26°C respectively during this week. The maximum and minimum relative humidity may vary between 51-67 % and 17-21 % respectively. The SW/SE wind with a speed of 12-16 km/hr is predicted during upcoming days.

**General Advisory**

- As per extended range forecast of IMD, rainfall is normal and the maximum and minimum temperature is also expected to be normal for Odisha state during 12.05.24 to 18.05.24 so farmers are advised to conduct agricultural operation accordingly.
- Prevailing weather condition is favourable for increasing the insects and diseases population in both field and vegetable crops so its regular monitoring should be advised.
- Harvesting and spraying operation should be avoided for some days and keep their harvested produce in safe places because some amount of rainfall along with high wind speed is expected during upcoming week.

**Crop and livestock Specific Agromet Advisory**

Name of the crop	Crop Stage	Agromet Advisories
<b>Rice</b>	<b>Milking / Grain filling/ Maturity/ Harvesting</b>	<ul style="list-style-type: none"> <li>Some amount of rainfall is expected in upcoming days so farmers are advised to avoid irrigation as well as spraying operation at milking stage. Prevailing weather condition is favourable for BPH attack so use alternate wetting and drying techniques to avoid water stagnation for long period which help in multiplication of this insect should be advised. In severe cases go for spraying of triflumezopyrim 10 SC @ 240 ml/ha or pymetrozine 50 WP @ 300g/ha or imidachlorprid @ 0.3 ml per liter of water.</li> <li>Harvesting of rice crop should be advised when the crop looks pale yellow and 80% or more grains are matured but farmers should delay harvesting of crop because rainfall along with high wind speed is expected in upcoming days.</li> <li>Farmers those are already harvested the crop and kept it in open place for sun drying, are advised to keep their produce in safe places.</li> </ul>

<b>Green Gram (Summer)</b>	<b>Pod formation/ Maturity stage</b>	<ul style="list-style-type: none"> <li>Pod formation is the critical stage of water requirement for green gram crop and water stress at this stage may lead to poor pod filling so maintenance of adequate moisture should be advised. Looking to the chance of rainfall in upcoming days, farmers are advised to wait some days for irrigation.</li> <li>For pod borer attack, spraying of Chlorantraniliprole 18.5% SC @ 0.3ml or Emamectin Benzoate @ 0.4 g or Prophenofos @ 2ml per liter of water should be advised when sky is clear.</li> <li>If 70-80 % pods are in matured stage then farmers should start harvesting of crop and sundried to bring the moisture content up to 8-10 % of seed. As there is a chance of occurrence of some amount of rainfall in upcoming days, farmers should keep their harvested produce in safe places.</li> </ul>
<b>Maize</b>	<b>Cob formation/ Maturity/ Harvesting stage</b>	<ul style="list-style-type: none"> <li>Farmers should maintain proper soil moisture at this stage for better yield.</li> <li>To control stem borer in Maize field, spraying of Fipronil 5% SC or Profenophos 50% EC @ 2ml and for fall army worm, Emamectin Benzoate @ 0.4 g per liter of water should be advised.</li> </ul>
<b>Mango</b>	<b>Fruiting stages</b>	<ul style="list-style-type: none"> <li>To control mango hopper in Mango tree, spraying of insecticides like Acephate (1g/L) or Chloropyriphos (0.5 ml/L) or Thiomethoxam (0.3-0.4 g/L) and for powdery mildew disease, spraying of soluble sulphur (2 g/ L) should be advised under clear weather condition. To control fruit fly attack, use of fruit fly trap should be advised.</li> <li>This month is very crucial for fruit growth in Mango orchard and water scarcity at this stage may lead poor fruit development therefore farmers are advised to maintain moisture by applying irrigation at 10-15 days interval at early morning or evening hours.</li> <li>Farmers should wait some days for irrigation because there is a chance of occurrence of rainfall in some places in upcoming week.</li> </ul>
<b>Vegetable crops</b>	<b>flowering/ Fruiting/ Harvesting</b>	<ul style="list-style-type: none"> <li>Prevailing weather condition is favourable for increasing the sucking insect pest population in vegetable crops so its regular monitoring should be advised.</li> <li>Irrigation as well as spraying operation should be avoided for some days and keep their harvested produce in safe places because some amount of rainfall along with high wind speed is expected during upcoming week.</li> </ul>
<b>Cow/Buffalo</b>		<ul style="list-style-type: none"> <li>To protect the animal from heat, farmers should make provision to provide fresh clean and cold drinking water to the animal along with green grass, protein-fat bypass supplement, mineral mixture and salt. Keep animals in shade and don't make them work between 11 am to 4 pm.</li> <li>Rainfall along with thunderstorm and gusty wind is expected in some places so keep the animal away from any tree and electrical equipments.</li> </ul>
<b>Poultry</b>		<ul style="list-style-type: none"> <li>During heat wave period covering the window with wet gunny bag and thatching of roof with straw and make provision to ensure proper ventilation and cooling of poultry shed. Feeding will be continued with supplement of vitamin E and C with water till the end of heat wave.</li> <li>Deworming and vaccination of poultry birds against ranikhet disease must be ensured.</li> <li>Contact of any electrical instrument should be avoided in poultry farm during thunderstorm and lightning.</li> </ul>

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IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on **MEGHDOOT mobile app** (<https://play.google.com/store/apps/details?id=com.aas.meghdoot>) in both English and Odia languages and farmers can also use **DAMINI mobile app** (<https://play.google.com/store/apps/details?id=com.lightening.live.damini>) for thunderstorm and lightning information.